



0002070(modified)  
10/95

U.S. Department of Commerce  
Patent and Trademark Office

## FEE TRANSMITTAL

### TOTAL AMOUNT OF PAYMENT

Subtotal (1) + Subtotal (2) + Subtotal (3) = (\$0)

### Complete if Known

Application Number	09/083,769
Filing Date	May 22, 1998
First Named Inventor	Gerard McGoogan
Group Art Unit	2831
Examiner Name	Unknown
Attorney Docket Number	3454

### METHOD OF PAYMENT

#### 1. The Commissioner is hereby authorized to:

- ☐ Charge the indicated fees to the below mentioned deposit account.
- ☒ Charge any additional fee required under 37 CFR 1.16 and 1.17 or credit any over payments to the below mentioned deposit account.†
- ☐ Charge the Issue Fee set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) to the below mentioned deposit account.

Deposit Account Number: 19-2555

Deposit Account Name: FENWICK & WEST LLP

A Duplicate Copy of this authorization is attached

#### 2. ☐ Payment Enclosed:

☐ Check ☐ Other

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	<input type="checkbox"/>
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	<input type="checkbox"/>
147/\$2,520	147/\$2,520	For filing a request for reexamination	<input type="checkbox"/>
115/\$110	215/\$55	Extension for response within first month†	<input type="checkbox"/>
116/\$400	216/\$200	Extension for response within second month†	<input type="checkbox"/>
117/\$950	217/\$475	Extension for response within third month†	<input type="checkbox"/>
118/\$1,510	218/\$755	Extension for response within fourth month†	<input type="checkbox"/>
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119/\$310	219/\$155	Notice of Appeal	<input type="checkbox"/>
141/\$1,320	241/\$660	Petition to revive unintentionally abandoned application	<input type="checkbox"/>
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123/\$50	123/\$50	Petitions related to provisional applications	<input type="checkbox"/>
126/\$240	126/\$240	Submission of Information Disclosure Statement	<input type="checkbox"/>
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149/\$790	249/\$395	For each additional invention to be examined (37 CFR 1.129(b))	<input type="checkbox"/>

Other fee (specify): ☐

Other fee (specify): ☐

SUBTOTAL (3) (\$0)

### FEE CALCULATION (fees effective 10/01/97)

#### 1. FILING FEE

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$790	201/\$395	Utility Filing	<input type="checkbox"/>
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108/\$790	208/\$395	Reissue Filing	<input type="checkbox"/>
114/\$150	214/\$75	Provisional Filing	<input type="checkbox"/>

SUBTOTAL (1) (\$0)

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For	No. of Existing Claims		Highest No. Previously Paid For	Extra**			
TOTAL		minus*	20 or	=		x	= 0
INDEP		minus*	3 or	=		x	= 0
[ ] First presentation of multiple dependent claim							= 0

\* Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

SUBTOTAL (2) (\$0)

#### SUBMITTED BY

Typed or Printed Name **Greg T. Sueoka**

Signature

#### Complete (if applicable)

Reg. Number **33,800**

Date

**July 21, 1998**

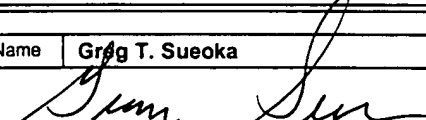
† Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby

AUG 17 1998

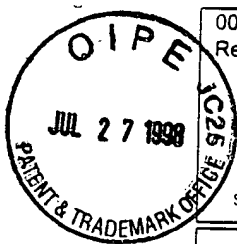
PTO/SB/17 (6-95)(modified)  
 Approved for use through 11/30/96, OMB 0651-0032  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0002/PTO(modified) Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	<b>Complete if Known</b>	
<b>FEE TRANSMITTAL</b>		Application Number	09/083,769
		Filing Date	May 22, 1998
		First Named Inventor	Gerard McGoogan
		Group Art Unit	2831
		Examiner Name	Not Yet Known
<b>TOTAL AMOUNT OF PAYMENT</b>		Attorney Docket Number	3454
Subtotal (1) + Subtotal (2) + Subtotal (3) =		(\$) <b>105.00</b>	

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																									
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<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Typed or Printed Name	Greg T. Sueoka	Reg. Number	33,800
Signature		Date	August 11, 1998

<sup>1</sup> Request for Extension of Time per 37 CFR 1.135 (a)(3) made hereby



0002/PTO(modified)  
Rev. 10/95

U.S. Department of Commerce  
Patent and Trademark Office

# FEE TRANSMITTAL

## TOTAL AMOUNT OF PAYMENT

Subtotal (1) + Subtotal (2) + Subtotal (3) = **(\$976.00)**

Complete if Known

Application Number	
Filing Date	May 22, 1998
First Named Inventor	Gerard McGoogan
Group Art Unit	
Examiner Name	
Attorney Docket Number	3454

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Deposit Account Name: FENWICK & WEST LLP

A Duplicate Copy of this authorization is attached

2. ☒ Payment Enclosed:  
[ X ] Check [ ] Other

### FEE CALCULATION (continued)

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Other fee (specify):			
Other fee (specify):			
SUBTOTAL (3)			(\$0)

### FEE CALCULATION (fees effective 10/01/97)

#### 1. FILING FEE

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SUBTOTAL (1)			(\$790.00)

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(Col. 1)		(Col. 2)		(Col. 3)			Fee
For	No. of Existing Claims		Highest No. Previously Paid For		Extra**		Due
TOTAL	21	minus*	20 or	=	1	x	22
INDEP	5	minus*	3 or	=	2	x	82
[ ] First presentation of multiple dependent claim							22. 164.

Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

SUBTOTAL (2) (\$186.00)

### SUBMITTED BY

Typed or Printed Name	Sanjay Prasad	Complete (if applicable)
Signature		Reg. Number 36,247
		Date May 22, 1998

Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby



#7  
PATENT  
CFR  
TV 11-19-99

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

APPLICANT(S): Gerard McGoogan  
SERIAL NO.: 09/083,769  
FILING DATE: May 22, 1998  
TITLE: Improvements in Intrinsically Safe Circuits  
EXAMINER: Unknown  
GROUP ART UNIT: 2831  
ATTY. DKT. NO.: 3454

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 21 July 1998

By: Greg T. Sueoka

Greg T. Sueoka, Reg. No.: 33,800

ASSISTANT COMMISSIONER FOR PATENTS  
APPLICATION PROCESSING DIVISION  
CUSTOMER CORRECTION BRANCH  
WASHINGTON, DC. 20231

**REQUEST FOR CORRECTED FILING RECEIPT**

SIR:

Enclosed is a copy of the Official Filing Receipt. It contains the following error:

1. The title is erroneously stated as "**Intrinsically Safe Circuits**". The correct title is "**Improvements in Intrinsically Safe Circuits**" as evidenced by the declaration, a copy of which is enclosed.
2. The filing fee received is erroneously states as "**\$1,334.00**". The correct filing fee is "**\$976.00**" as evidenced by the fee transmittal and check, copies of which are enclosed.

Please issue a corrected Filing Receipt rectifying this error.

☒ The correction is not due to any error by the Applicant and therefore no fee is due.

☐ Since at least one of the corrections is due to Applicant's error, payment in the amount of \$25, pursuant to 37 CFR § 1.19(h), is enclosed.

Respectfully submitted,  
GERARD MCGOOGAN

Dated: \_\_\_\_\_

*21 Feb 1998*

By: \_\_\_\_\_

*Greg T. Sueoka*

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/083,769	05/22/98	2831	\$1,334.00	3454	5	21	5

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Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Correction Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

GERARD MCGOOGAN, STIRLINGSHIRE, UNITED KINGDOM.

TITLE

INTRINSICALLY SAFE CIRCUITS

PRELIMINARY CLASS: 174



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INVOICE NO.	INVOICE DATE	DESCRIPTION	ACCOUNT NO.	FILE NO.	AMOUNT
15331	05-22-98	19900.01000	1330 0000		976.00
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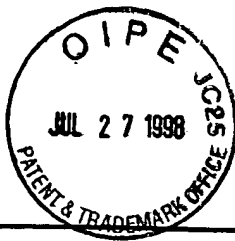
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⑈ 2035065⑈ ⑆ 053101561⑆ 2079900021367⑈



Approved for use through 10/31/96  
PTO/SB/01 (6-95) (modified)  
OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b>	0010/PTO Rev. 6/95	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket Number	3454
	First Named Inventor			Gerard McGoogan
	COMPLETE IF KNOWN			
	Application Number			
	Filing Date			May 22, 1998
	Group Art Unit			
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing			Examiner Name	

As a below named inventor, I hereby declare that:  
My residence, post office address, and citizenship are as stated below next to my name.  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**IMPROVEMENTS IN INTRINSICALLY SAFE CIRCUITS**

the specification of which (Title of the Invention)  
☒ is attached hereto  
OR  
☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).  
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.  
I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 385(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental sheet attached hereto.



<b>DECLARATION</b>	Page 2
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I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Name	Registration Number		
Greg T. Sueoka Sanjay Prasad	33.800		
	36.247		

☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to:

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**Palo Alto, CA 94306**  
**U.S.A.**

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor							
Given Name	Gerard	Middle Initial		Family Name	McGoogan	Suffix e.g. Jr.			
Inventor's Signature					Date				
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☐ Additional inventors are being named on supplemental sheet(s) attached hereto